



Missouri Department of Natural Resources

## Total Maximum Daily Load Information Sheet

### Brush Creek

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#### Waterbody Segment at a Glance:

**County:** St. Clair  
**Nearby Cities:** Collins, Blackjack  
**Length of impairment:** 1.0 miles  
**Pollutant:** Inundation  
**Source:** Truman Dam



State map showing location of watershed

**TMDL Priority Ranking:** Low

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#### Description of the Problem

##### Beneficial uses of Brush Creek

- Livestock and Wildlife Watering
- Protection of Warm Water Aquatic Life and Human Health associated with Fish Consumption

##### Use that is impaired

- Protection of Warm Water Aquatic Life

##### Standards that apply

- All Missouri streams are protected by general criteria contained in Missouri's Water Quality Standards 10 CSR 20-7.030 (3). The portion of the standards that apply to Brush Creek state:
  - (G) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community.

Brush Creek was once home to a substantial population of the Niangua Darter, a small fish found only in certain clear-flowing Ozark streams. Because this fish has had declining populations in Missouri, it was listed as an endangered species. The Niangua Darter's preferred habitat is flowing water. High water levels in Truman Lake sometimes cause the lake to back up into the lower portion of Brush Creek. The loss of flow in this part of the stream makes it unusable at these times by the Niangua Darter, but it is unknown what effect these periodic inundations are having on the Niangua Darter population. Improved information on the life history requirements of this fish is needed and may be helpful in management of water levels in Truman Lake so that Niangua Darter habitat is maintained.

## Brush Creek in St. Clair County, Missouri

